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 TI Nonflammable fibrous products, and their use
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 PA Protekum Umweltinstitut G.m.b.H. Oranienburg, Germany
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 CC 58-4 (Cement, Concrete, and Related Building Materials)
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	AT 207150	E	20011115	AT 1997-954717	19971222
	US 6086998	A	20000711	US 1999-331388	19990618
PRAI	DE 1996-19654836	A	19961223		
	DE 1996-29622593	U	19961223		
	WO 1997-DE3031	W	19971222		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DE 19654836	ICM	F16L059-04
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US 6086998	ECLA	C04B028/02; C04B030/02; E04B001/74

AB The fibrous products contain cellulose fibers 20-70, CaCO₃ 15-45, cationic surfactant 0.01-1, biol. active, in water not readily sol. surfactant 0.05-1, or CaO₂ 0.25-6.5 wt.%, and balance fillers, and, optionally, .gtoreq.1 biocides. The fillers are selected from .gtoreq.1 of Al₂O₃, SiO₂, MgO, Ca silicates, aluminosilicates, BaSO₄, Na₂CO₃, KCl, K₂CO₃, CaF₂, and Fe oxides. The fibrous products are used as blown thermal insulation, for manufg. molded products, and as fire-resistant and thermally insulating panels.

ST nonflammable fibrous thermal insulator panel; cellulose fiber waste thermal insulator; calcium carbonate thermal insulator; surfactant cationic; nonionic thermal insulator; peroxide calcium silicate fluoride thermal insulator; binder filler thermal insulator; biocide thermal insulator; alumina filler thermal insulator; silica filler thermal insulator; magnesia filler thermal insulator; aluminosilicate filler thermal insulator; barium sulfate filler thermal insulator; sodium carbonate filler thermal insulator; potassium chloride carbonate filler; iron oxide filler thermal insulator; thiuronium salt surfactant

IT Surfactants